RE: Stormwater FSP

TARNOW Karen E to: Kristine Koch, Andy Koulermos
Cc: Amanda Shellenberger, Carl Stivers, dawns, Dennis Hanzlick, LindaSC, ljones, Shawn Hinz, Simon Page, Valerie Oster

02/02/2007 04:03 PM

I wasn't planning on doing any more editting to the documents, but after a quick review of Andy/Kristine's edits of the FSP piece, I decided I wanted to chime in on a couple of things. And also say "Hang in there Carl! The end is near!(?)"

Section 1.1:
I think that Andy's suggestion to use the term "Suspended sediment chemistry and associated conventionals" is a better choice than calling it "in-line" sediment chemistry. To me, in-line sediments are the sediments you scrape out of the pipe with a scoop.

Section 1.2 and 1.3 (see text below)
Maybe I have it wrong - but it seems to me that the purpose and objectives of this FSP is all about collecting stormwater data. That is different from what the majority of the text below describes; it describes what we need the data for, which is covered pretty well in Section 1.1. I think you could eliminate the text in Section 1.2, and (with minor edits) use the text in Section 1.3 (below) to describe the purpose and objectives of this FSP.

1.2 Sampling Purpose and Objectives

The purpose of this sampling and analysis effort is to evaluate the quality of stormwater discharges on sediment quality. The result of this effort will be used in an overall evaluation of source loadings to the Site study area to determine if 1) stormwater discharges are contributing to the ecological and human health risks; and 2) recontamination of the sediments following cleanup would be expected based on the current stormwater discharge rates.

The objectives of this sampling and analysis plan are:

- To provide an early indication of any water or sediment quality problems within the Site study area associated with stormwater discharges.
- Identify areas where sources of contaminants to the Site study area may be significant (e.g., contributing to risk or

recontamination of the Site).

- Understand stormwater contribution to in-river fish tissue chemical burdens.

1.3 SUMMARY STORMWATER SAMPLING APPROACH

This FSP describes the approach for measuring the concentrations of contaminants in stormwater and for obtaining stormwater flow data at 31 select locations in the Site to meet the above objectives. These data will be used, in conjunction with estimation and evaluation tools described below, to assess the nature and extent of chemical loading from stormwater discharges to the site. In summary, the sampling approach involves:

1. Flow-weighted composite water samples from three design storm events (see Section 5.1.2.1) including whole water for organic compound analyses and filtered/unfiltered pairs for metals analyses.

2. One additional set of grab stormwater samples at 10 of the 31 sampling locations for sampling of filtered/unfiltered pairs and analysis of selected organic compounds.

3. Sediment trap deployment and sampling for a minimum duration of 3 months.

4. Continuous flow monitoring at each sampling site for the duration of the sampling effort.